# Authors Index of Vol. 43


Ahmed B: The Size and Shape of Rod and Cone Centres of Cat Retinal Ganglion Cells . . . . . 422
Albe-Fessard D, see Sapienza S, et al. . . . . 47
Ali FN, see Tomko DL, et al. . . . . 309
Bach M, see Fischer B, et al. . . . . 69
Barbaro NM, see Tomko DL, et al. . . . . 309
Berman N, see Payne BR, et al. . . . . 371
Binder MD: Further Evidence that the Golgi Tendon Organ Monitors the Activity of a Discrete Set of Motor Units Within a Muscle . . . . . 186
Boch R, see Fischer B, et al. . . . . 69
Bonke D, see Langner G, et al. . . . . 11
Brettel H, see Hilz R, et al. . . . . 111
Büttner U, see Waespe W, et al. . . . . 337
Burr D, Morrone C, Maffei L: Intra-cortical Inhibition Prevents Simple Cells from Responding to Textured Visual Patterns . . . . . 455
Buzsáki G, Czéh G: Commissural and Perforant Path Interactions in the Rat Hippocampus. Field Potentials and Unitary Activity . . . . . 429
Cattaneo A, Maffei L, Morrone C: Two Firing Patterns in the Discharge of Complex Cells Encoding Different Attributes of the Visual Stimulus . . . . . 115
Chapman CR, Colpitts YH, Mayeno JK, Gagliardi GJ: Rate of Stimulus Repetition Changes Evoked Potential Amplitude: Dental and Auditory Modalities Compared . . . . . 246
Chino YM, see Shansky MS, et al. . . . . 57
Cianci T, see Franzini C, et al. . . . . 87
Colpitts YH, see Chapman CR, et al. . . . . 246
Conway JL, Timberlake GT, Skavenski AA: Oculomotor Changes in Cats Reared Without Experiencing Continuous Retinal Image Motion . . . . . 229
Cordo PJ, see Nashner LM . . . . . 395
Cowey A, see Perry VH . . . . . 226
Coyle JT, see Johnston MV, et al. . . . . 159
Czéh G, see Buzsáki G . . . . . 429
Dean P: Grating Detection and Visual Acuity After Lesions of Striate Cortex in Hooded Rats . . . . . 145
Demaine C, see Semm P, et al. . . . . 361
Deschênes M: Dendritic Spikes Induced in Fast Pyramidal Tract Neurons by Thalamic Stimulation . . . . . 304
Destombes J, Rouvière A: Ultrastructural Study of Vestibular and Reticular Projections to the Abducens Nucleus . . . 253
Diesner K, see Pitzel L, et al. . . . . 213
Distel H, Ebbesson SOE: Habenular Projections in the Monitor Lizard (Varanus benegalensis) . . . . . 324
Donoghue JP, see Foster RE, et al. . . . . 330
Ebbesson SOE, see Distel H . . . . . 324
Ebner FF, see Foster RE, et al. . . . . 330
Eidelberg E, Yu J: Effects of Corticospinal Lesions upon Treadmill Locomotion by Cats . . . . . 101
Eison AS, see Eison MS, et al. . . . . 281
Eison MS, Eison AS, Ellison G: The Regional Distribution of d-Amphetamine and Local Glucose Utilization in Rat Brain During Continuous Amphetamine Administration . 281
Ellendorff F, see Reinhardt W, et al. . . . . 1
Ellendorff F, see Poulain DA, et al. . . . . 107
Ellison G, see Eison MS, et al. . . . . 281
Fischer B, Boch R, Bach M: Stimulus Versus Eye Movements: Comparison of Neural Activity in the Striate and Prelunate Visual Cortex (A17 and A19) of Trained Rhesus Monkey . . . . . 69
Foster RE, Donoghue JP, Ebner FF: Laminar Organization of Efferent Cells in the Parietal Cortex of the Virginia Opossum . . . . . 330
Franzini C, Lenzi P, Cianci T: Interactions Between Temperature Regulation and Emotional Arousal in the Rabbit . . 87
Frey TJ, see Loop MS . . . . . 65
Frost BJ, Scilley PL, Wong SCP: Moving Background Patterns Reveal Double-opponency of Directionally Specific Pigeon Tectal Neurons . . . . . 173
Furuya N, Markham CH: Arborization of Axons in Oculomotor Nucleus Identified by Vestibular Stimulation and Intra-axonal Injection of Horseradish Peroxidase . . . . . 289
Gagliardi GJ, see Chapman CR, et al. . . . . 246
Gath I, Stålberg E: In Situ Measurement of the Innervation Ratio of Motor Units in Human Muscles . . . . . 377
Graziadei R, see Wallace RB, et al. . . . . 207
Hajdu F, see Somogyi G, et al. . . . . 447
Hamasaki DI, see Shansky MS, et al. . . . . 57
Harwerth RS, see Levi DM, et al. . . . . 270
Hassler R, see Somogyi G, et al. . . . . 447
Hayashi R, Miyake A, Jijiwa H, Watanabe S: Postural Readjustment to Body Sway Induced by Vibration in Man 217
Hayes NL, see Rustioni A . . . . . 237
Henn V, see Waespe W, et al. . . . . 337
Henn V, see Waespe W . . . . . 349
Hess B, see Schultz W, et al. . . . . 413
Hilz R, Rentschler I, Brettel H: Insensitivity of Peripheral Vision to Spatial Phase . . . . . 111
Jacquemin J, see Sapienza S, et al. . . . . 47
Jijiwa H, see Hayashi R, et al. . . . . 217
Johnston MV, McKinney M, Coyle JT: Neocortical Cholinergic Innervation: A Description of Extrinsic and Intrinsic Components in the Rat . . . . . 159
König A, see Pitzel L, et al. . . . . 213
Konda N, see Reinhardt W, et al. . . . . 1
Korn H, see Triller A . . . . . 233
Kreikenbaum K, see Pitzel L, et al. . . . . 213
Kurtenbach W, Magnussen S: Inhibition, Disinhibition, and Summation Among Orientation Detectors in Human Vision . . . . . 193
Lackner JR, see Mather JA . . . . . 406
Lacour M, Vidal PP, Xerri C: Visual Influences on Vestibulospinal Reflexes During Vertical Linear Motion in Normal and Hemilabyrinthectomized Monkeys . . . . . 383
Langner G, Bonke D, Scheich H: Neuronal Discrimination of Natural and Synthetic Vowels in Field L of Trained Mynah Birds . . . . . 11
Larsen KD, Yumiya H: Motor Cortical Modulation of the Macaque Red Nucleus . . . . . 315
Lassonde MC, see Pribram KH, et al. . . . . 119
Lassonde MC, Ptito M, Pribram KH: Intracerebral Influences on the Microstructure of Receptive Fields of Cat Visual Cortex . . . . . 131
Lenzi P, see Franzini C, et al. . . . . 87
Levi DM, Harwerth RS, Pass AF, Venverloh J: Edge Sensitive Mechanisms in Humans with Abnormal Visual Experience . . . . . 270
Loop MS, Frey TJ: Critical Flicker Fusion in Siamese Cats . . 65
MacLeod N, see Reinhardt W, et al. . . . . 1
Maffei L, see Cattaneo A, et al. . . . . 115
Maffei L, see Burr D, et al. . . . . 455
Magnussen S, see Kurtenbach W . . . . . 193

Markham CH, see Furuya N . . . . . 289
Mason R: Differential Responsiveness of Cells in the Visual Zones of the Cat's LP-Pulvinar Complex to Visual Stimuli 25
Mather JA, Lackner JR: The Influence of Efferent, Proprioceptive, and Timing Factors on the Accuracy of Eye-Hand Tracking . . . . . 406
Mayeno JK, see Chapman CR, et al. . . . . 246
Mayer ML: Inhibitory Actions of Amino Acids in the Preoptic-anterior Hypothalamus of the Rat . . . . . 154
McKinney M, see Johnston MV, et al. . . . . 159
Meinck H-M, Piesiur-Strehlow B: Reflexes Evoked in Leg Muscles from Arm Afferents: A Propriospinal Pathway in Man? . . . . . 78
Miyake A, see Hayashi R, et al. . . . . 217
Møller AR: Neural Delay in the Ascending Auditory Pathway . . . . . 93
Morrone C, see Cattaneo A, et al. . . . . 115
Morrone C, see Burr D, et al. . . . . 455
Murphy EH, see Payne BR, et al. . . . . 371
Nashner LM, Cordo PJ: Relation of Automatic Postural Responses and Reaction-Time Voluntary Movements of Human Leg Muscles . . . . . 395
Odagiri M, see Yamamoto K . . . . . 104
Oertzen HD von, see Pitzel L, et al. . . . . 213
Pass AF, see Levi DM, et al. . . . . 270
Payne BR, Berman N, Murphy EH: A Quantitative Assessment of Eye Alignment in Cats After Corpus Callosum Transection . . . . . 371
Perry VH, Cowey A: The Morphological Correlates of X- and Y-like Retinal Ganglion Cells in the Retina of Monkeys . . . . . 226
Philippe E, see Tremblay JP . . . . . 439
Piesiur-Strehlow B, see Meinck HM . . . . . 78
Pitzel L, Diesner K, Kreikenbaum K, Oertzen HD von, König A: Oxytocin Release from Isolated Posterior Pituitary Lobes of Adult Male Rats as Determined by Radioimmunoassay . . . . . 213
Poulain DA, Rodriguez F, Ellendorff F: Sleep is Not a Prerequisite for the Milk Ejection Reflex in the Pig . . . . . 107
Pribram KH, Lassonde MC, Ptito M: Classification of Receptive Field Properties in Cat Visual Cortex . . . . . 119
Pribram KH, see Lassonde MC, et al. . . . . 131
Ptito M, see Pribram KH, et al. . . . . 119
Ptito M, see Lassonde MC, et al. . . . . 131
Reinhardt W, Konda N, MacLeod N, Ellendorff F: Electrophysiology of Olfacto-limbic-hypothalamic Connections in the Pig . . . . . 1
Rentschler I, see Hilz R, et al. . . . . 111
Rodriguez F, see Poulain DA, et al. . . . . 107
Rouvière A, see Destombes J . . . . . 253
Ruffieux A, see Schultz W, et al. . . . . 413
Rustioni A, Hayes NL: Corticospinal Tract Collaterals to the Dorsal Column Nuclei of Cats. An Anatomical Single and Double Retrograde Tracer Study . . . . . 237
Sapienza S, Talbi B, Jacquemin J, Albe-Fessard D: Relationship Between Input and Output of Cells in Motor and Somatosensory Cortices of the Chronic Awake Rat. A Study Using Glass Micropipettes . . . . . 47
Schaumberg R, see Schwestka R, et al. . . . . 34
Scheich H, see Langner G, et al. . . . . 11
Schingnitz G: Neuronal Responses in the Rat's Thalamus to Scrotal Heating. Effects of Application of a Local Anesthetic to the Stimulation Site . . . . . 419
Schneider GE, see Udin SB . . . . . 261
Schultz W, Wiesendanger R, Hess B, Ruffieux A, Wiesendanger M: The Somatotopy of the Gracile Nucleus in Cats with Agenesis of a Hindfoot . . . . . 413
Schwestka R, Windhorst U, Schaumberg R: Patterns of Parallel Signal Transmission Between Multiple Alpha Efferents and Multiple Ia Afferents in the Cat Semitendinosus Muscle . . . . . 34
Scilley PL, see Frost BJ, et al. . . . . 173
Semm P, Demaine C, Vollrath L: Electrical Responses of Pineal Cells to Melatonin and Putative Transmitters. Evidence for Circadian Changes in Sensitivity . . . . . 361
Shansky MS, Chino YM, Hamasaki DI: Abnormal Responses of Retinal Ganglion Cells in Siamese Cats to Moving Stimuli . . . . . 57
Skavenski AA, see Conway JL, et al. . . . . 229
Somogyi G, Hajdu F, Hassler R, Wagner A: An Experimental Electron Microscopical Study of a Direct Retino-Pulvinar Pathway in the Tree Shrew . . . . . 447
Stålberg E, see Gath I . . . . . 377
Suda K, see Tsumoto T . . . . . 451
Talbi B, see Sapienza S, et al. . . . . 47
Timberlake GT, see Conway JL, et al. . . . . 229
Tomko DL, Barbaro NM, Ali FN: Effect of Body Tilt on Receptive Field Orientation of Simple Visual Cortical Neurons in Unanesthetized Cats . . . . . 309
Tremblay JP, Philippe E: Morphological Changes in Presynaptic Terminals of the Chick Ciliary Ganglion After Stimulation in vivo. A Stereological Study Showing a Net Loss of Total Membrane . . . . . 439
Triller A, Korn H: Interneuronal Transfer of Horseradish Peroxidase Associated with Exo/Endocytotic Activity on Adjacent Membranes . . . . . 233
Tsumoto T, Suda K: Effects of Early Monocular Deprivation on Development of Cortico-geniculate Projections in the Cat . . . . . 451
Udin SB, Schneider GE: Compressed Retinotectal Projection in Hamsters: Fewer Ganglion Cells Project to Tectum After Neonatal Tectal Lesions . . . . . 261
Venverloh J, see Levi DM, et al. . . . . 270
Vidal PP, see Lacour M, et al. . . . . 383
Vollrath L, see Semm P, et al. . . . . 361
Waespe W, Büttner U, Henn V: Visual-vestibular Interaction in the Flocculus of the Alert Monkey. I. Input Activity . . . . . 337
Waespe W, Henn V: Visual-vestibular Interaction in the Flocculus of the Alert Monkey. II. Purkinje Cell Activity 349
Wagner A, see Somogyi G, et al. . . . . 447
Wallace RB, Graziadei R, Werboff J: Behavioral Correlates of Focal Hippocampal X-Irradiation in Rats II. Behavior Related to Adaptive Function in a Natural Setting . . . . . 207
Watanabe S, see Hayashi R, et al. . . . . 217
Werboff J, see Wallace RB, et al. . . . . 207
Wiesendanger M, see Schultz W, et al. . . . . 413
Wiesendanger R, see Schultz W, et al. . . . . 413
Windhorst U, see Schwestka R, et al. . . . . 34
Wolburg H: Myelination and Remyelination in the Regenerating Visual System of the Goldfish . . . . . 199
Wong SCP, see Frost BJ, et al. . . . . 173
Xerri C, see Lacour M, et al. . . . . 383
Yamamoto K, Odagiri M: Discharge Pattern Differences Between Cat Interpositus and Dentate Neurons During Isometric Lever Pressing . . . . . 104
Yu J, see Eidelberg E . . . . . 101
Yumiya H, see Larsen KD . . . . . 315

dex

413

34
173

361

57
229

447
377
451
47
229

309

439

233

451

261
270
383
361

337

349
447

207
217
207
413
413
34

199
173
383

104
101
315